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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/699,239	10/27/2000	R. Donald Thompson	MSFT115607	5429
26389	7590	03/09/2006	EXAMINER	
CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347			PWU, JEFFREY C	
			ART UNIT	PAPER NUMBER
			2143	

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	09/699,239		THOMPSON, R. DONALD	
	Examiner		Art Unit	
	Jeffrey C. Pwu		2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 8-20 and 23 is/are rejected.
- 7) ☒ Claim(s) 6, 7, 21 and 22 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Objections

1. Claim 1 recites the limitation "a second request", at line 11. The limitation should be changed to 'the second request' or 'said second request'.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5,8-20 and 23 are rejected under 35 U.S.C. 102(e) as being anticipated by Pillar et al. (U.S. 6,201,755).

Pillar et al. teaches claims :

1. A method in a computer system for associating provider data including a first and second portion with a data request, the method comprising:
obtaining a first request for provider data (col.2, line 20- "retrieve connection information from a memory") from a requesting party; in response to obtaining the first request: generating a first identifier corresponding to the first request; associating the first identifier with the first request for the provider data; returning the first portion of the provider data to the requesting party; and

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storing the second portion of the provider data according to the first identifier; returning the first portion of the provider data to the requesting party; and

storing the second portion of the provider data according to the first identifier; obtaining a second request from the requesting party for the second portion of the provider data; (col.2, line 43 - “a first connection identifier for retrieving the connection information associated with the received cell. In a hash table, which may reside in the memory, the node identifies a first address that corresponds to the first connection identifier by, for example, determining a hash value based on the first connection identifier. The node then retrieves from that first address a first entry, which includes a second connection identifier and, for example, a connection index. Alternatively, the first entry may include a second connection identifier and, for example, connection information that corresponds to the second connection identifier.”) and in response to obtaining a second request:

generating a second identifier corresponding to the second request; associating the second identifier with the second request; and returning the second portion of the provider data to the requesting party if the second identifier matches the first identifier. (col.2, line 58 – “When the first connection identifier does not match the second connection identifier, the node identifies in the hash table a second address that corresponds to the first connection identifier by determining a different hash value. The node then retrieves a second entry from the second address in the hash table. The node repeats the above steps, for example recursively, until it retrieves from the hash table an entry that includes a connection identifier that matches the first connection identifier or until a count of the entries searched in the hash table equals a predetermined probe threshold.”)

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2. The method as recited in Claim 1, wherein generating the first identifier includes generating a first hash table key corresponding to the request for the provider data; and wherein generating the second identifier includes generating a second hash table key corresponding to the request for the second portion of the provider data. (col.2, lines 20-col.2, line 14)

3. The method as recited in Claim 2, wherein generating a first hash table key and generating a second hash table key each include utilizing a provider data IP address to generate the first hash table key and the second hash table key. (col.2, lines 20-col.2, line 14)

4. The method as recited in Claim 2, wherein generating a first hash table key and generating a second hash table key each include utilizing a graphical user ID to generate the first hash table key and the second hash table key. (col.2, line 36- “In a connection-less network, for example an Internet Protocol (IP) network, a connection identifier may include a destination address. In such a network, the connection information may include forwarding information, for example an output port address in a node, and/or flow information, for example Quality of Service (QoS) information associated with a flow in the IP network.”)

5. The method as recited in Claim 1, wherein the first portion of the provider data includes a URL of content data. (It is inherent in a destination address to include URL link as content data connection identifier)

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8. The method as recited in Claim 1, wherein the step of storing the second portion of provider data according to the first identifier includes: storing the second portion of the provider data in a first cache; and replicating the second portion of the provider data to at least a second cache.

9. The method as recited in Claim 8, wherein the step of returning the second portion of the provider data includes: requesting data corresponding to the second identifier from a first cache; if no match is found, requesting data matching the second identifier from the second cache.

(col.2, lines 20-col.2, line 14)

10. The method as recited in Claim 9, wherein the step of requesting data from a second cache further includes replicating the request for data matching the second identifier to at least two or more cache. (col.2, lines 20-col.2, line 14)

11. A computer-readable medium having computer-executable instructions for performing the method recited in any one of Claims 1-10. (see abstract, method and system for storing and retrieving information in a communication node)

12. A computer system having a processor, a memory, and an operating system, the computer system operable to perform the method recited in any one of Claims 1-10. (abstract)

13. A computer system for providing data to a requesting party, the system comprising:
at least one content requestor for requesting provider data;

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a content server in communication with the content requester and operable to provide a first and second portion of provider data to the content requester;

wherein the content server generates a first identifier corresponding to a first request, returns the first portion of the provider data and stores the second portion of the provider data according to [[a]] the first identifier upon receiving the first request for the provider data from the content requestor; and

wherein the content server generates a second identifier corresponding to a second request, and returns the second portion of the provider data upon receiving the second request for the provider data from the content requestor if the second identifier matches the first identifier. (claim 13 is similarly rejected as in claims 1-5, and 8-12)

14. The system as recited in Claim 13, wherein the content server includes a cache for storing the second portion provider data. (claim 14 is similarly rejected as in claims 1-5 and 8-12)

15. The system as recited in Claim 14, wherein the content server cache stores the second portion of the provider data in a hash table and wherein the first and second identifiers are hash table keys. (claim 15 is similarly rejected as in claims 1-5 and 8-12)

16. The system as recited in Claim 14, further comprising a click server in communication with the content server and operable to store and recall the second portion of the provider data. (claim 16 is similarly rejected as in claims 1-5, and 8-12)

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17. The system as recited in Claim 16, wherein the click server includes two or more cache for storing the second portion of the provider data. (claim 17 is similarly rejected as in claims 1-5, and 8-12)

18. The system as recited in Claim 17, wherein the two or more cache contain identical contents. (claim 18 is similarly rejected as in claims 1-5, and 8-12)

19. The system as recited in Claim 13, wherein generating a first identifier includes generating a hash key identifier from data relating to the requesting party. (claim 19 is similarly rejected as in claims 1-5, and 8-12)

20. The system as recited in Claim 19, wherein the data relating to the requesting party includes a data identifier, an IP address, and data relating to a content request. (claim 20 is similarly rejected as in claims 1-5, and 8-12)

23. The system as recited in Claim 22, wherein the click server includes a virtual interface protocol in communication with a plurality of cache servers, and wherein the second portion of the provider data is stored in at least one of the plurality of cache servers. (claim 23 is similarly rejected as in claims 1-5, and 8-12)

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Allowable Subject Matter

4. Claims 6-7 and 21-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey C. Pwu whose telephone number is 571-272-6798.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



3/2/06

JEFFREY PWU
PRIMARY EXAMINER